

ABSTRACT OF THE DISCLOSURE

The invention relates to a process for the ~~evaluation of~~ evaluating a received signal of an SAR/MTI pulsed radar system ~~emitting transmitted~~ that transmits SAR and MTI pulses with $[[a]]$ respective definable pulse repetition frequency $[[Q]]$ PRF_SAR $[[,]]$ and PRF_MTI $[[D]]$, such that the received signal ~~being is~~ is a superimposition consisting of echo pulse sequences of SAR ~~echo pulse signals~~ and MTI echo pulse signals. According to the invention, in the received echo pulse sequence of the received signal, each SAR echo from an area of interest ~~pulse, corresponding, to an integral multiple of an integral ratio of the pulse repetition frequency PRF_MTI of the transmitted MTI signal to the pulse repetition frequency PRF_SAR of the transmitted SAR signal and received after a transmitted SAR pulse, is evaluated in an SAR process. The , and the remaining pulses of the received echo pulse sequence of the received signal are evaluated in using an MTI process, , in which case the pulse for the MTI signal processing absent as a result of the SAR signal processing is reproduced by means of interpolation methods.~~

(Figure 3)